Name _.	Date	Period _
	UGOO Protein Synthesis	
Purpos	•	
,	To understand that different cells build different proteins because they use different at the same <u>DNA</u> molecule.	genes of
Pre-lak	b Questions:	Stamp of
Use yo	our notes to answer the following questions:	Approval
1.	If you were looking for DNA in a eukaryotic cell, where would you go to find it?	Арргочаг
2.	What is transcription and where does it occur?	
3.	What are the DNA-RNA base-pairing rules?	
4.	What is the name of the 3 nucleotide segments of mRNA?	
5.	Which organelle is responsible for making proteins?	
6.	What is translation and where does it occur?	
7.	During translation, what pairs up with the mRNA codons?	
8.	What do tRNAs carry to the ribosome, and what do they form as they link up to form	a chain?
Materi	ials:	
At	each Lab Station:	
	Lego "protein" recipe	
	Lego genetic code	
At	a shared location:	
	Black Lego blocks	
	Blue Lego blocks	
	Green Lego blocks	
	-0	
	White Lego blocks	
	Yellow Lego blocks	
Ро	sted at the front of the classroom:	
	Lego DNA	
Proced	dure:	
1.	Write your cell type on your data sheet.	
2.	Copy your "recipe" onto your data sheet.	
3.	Copy the genes you will use onto your data sheet in groups of three.	
4.	Transcribe the DNA nucleotides into RNA nucleotides on your data sheet.	

5. Decode the RNA codons into the correct Lego blocks.

7. Draw and color your Lego polypeptide chain.

6. Build your Lego polypeptide chain.

8. Answer the questions.